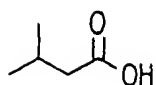


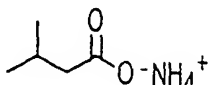
Title: TREATING A VARIETY OF PATHOLOGICAL CONDITIONS,
INCLUDING SPASTICITY AND CONVULSIONS, BY EFFECTING
A MODULATION OF CNS ACTIVITY WITH ISOVALERAMIDE,
ISOVALERIC ACID, OR A RELATED COMPOUND

Inventors: Linda D. Artman et al.

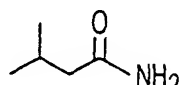
DOCKET NO.: 085747-0245



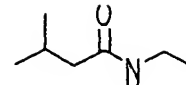
Isovaleric acid



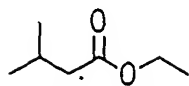
Ammonium isovalerate



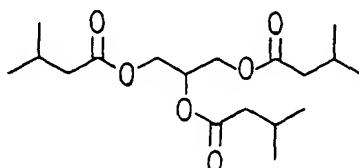
Isovaleramide



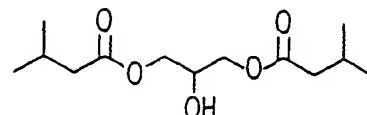
N-Ethyl isovaleramide



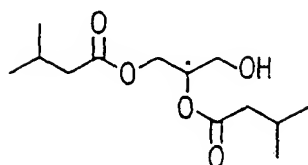
Ethyl isovalerate



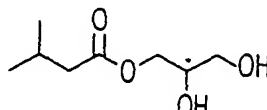
Glyceryl triisovalerate
("Triisovalerin")



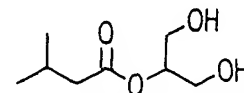
Glyceryl-1, 3-diisovalerate



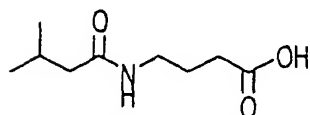
Glyceryl-1, 2-diisovalerate



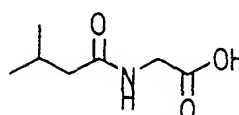
Glyceryl-1-monoisovalerate



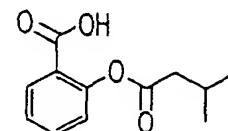
Glyceryl-2-monoisovalerate



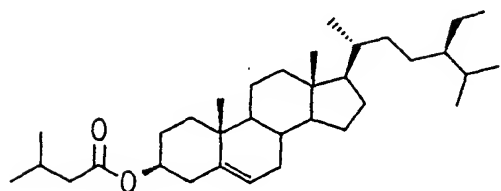
N-Isovaleryl GABA



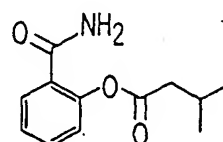
N-Isovaleryl glycine



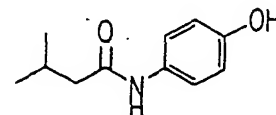
Isovaleryl salicylic acid ("I.S.A.");
salicylic acid isovalerate



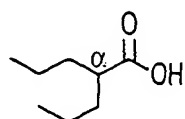
β -Sitosteryl isovalerate



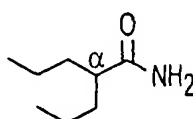
Isovaleryl salicylamide
(salicylamide isovalerate ester)



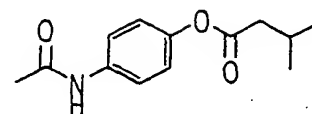
"Isovaleraminophen"
[N- (4-hydroxyphenyl) -
isovaleramide]



Valproic acid



Valpromide



Isovaleryl-acetaminophen ester

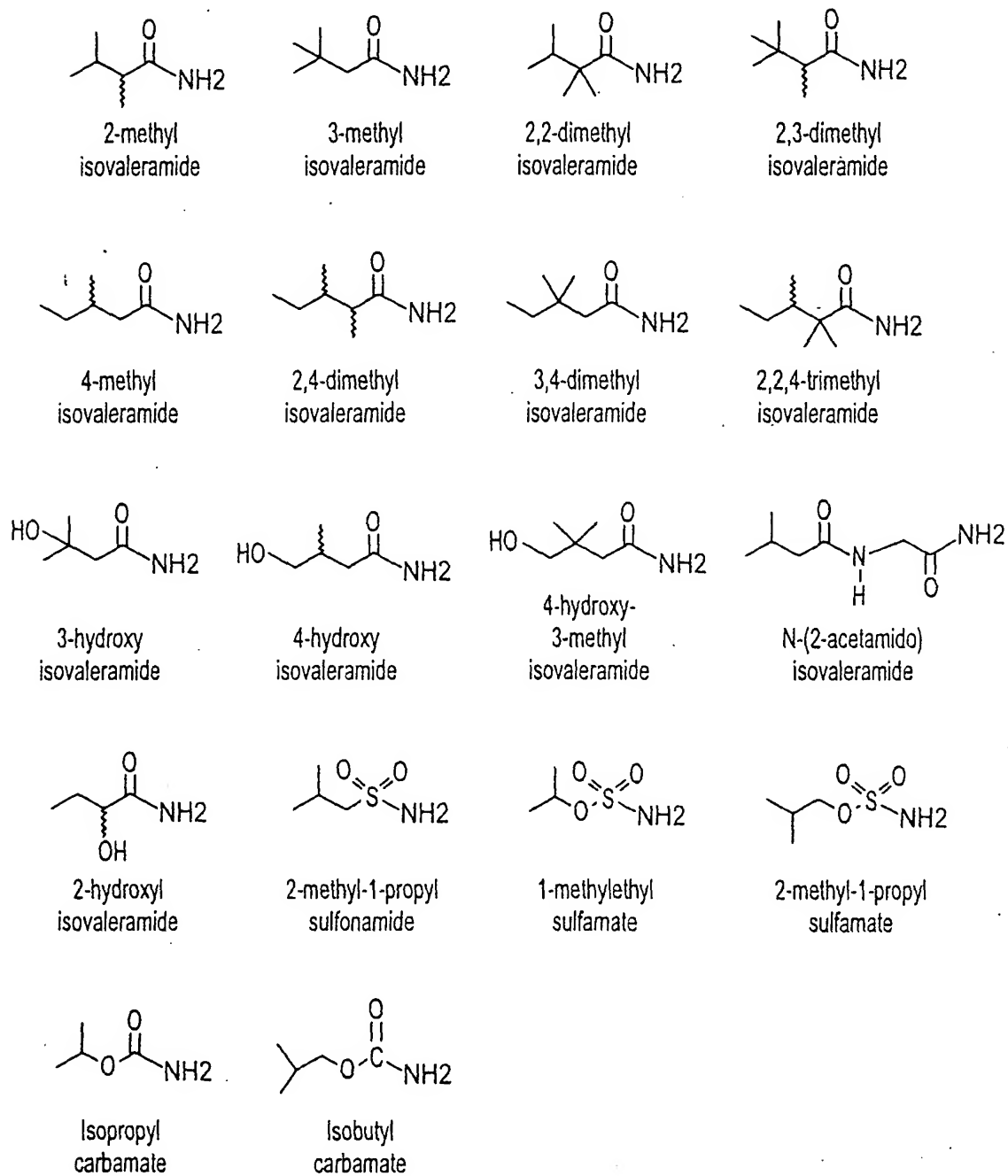
The Structures of Isovaleramide and Related Compounds

FIG. 1a

Title: TREATING A VARIETY OF PATHOLOGICAL CONDITIONS,
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A MODULATION OF CNS ACTIVITY WITH ISOVALERAMIDE,
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Structures of compounds structurally related to isovaleramide

FIG. 1b

Title: TREATING A VARIETY OF PATHOLOGICAL CONDITIONS,
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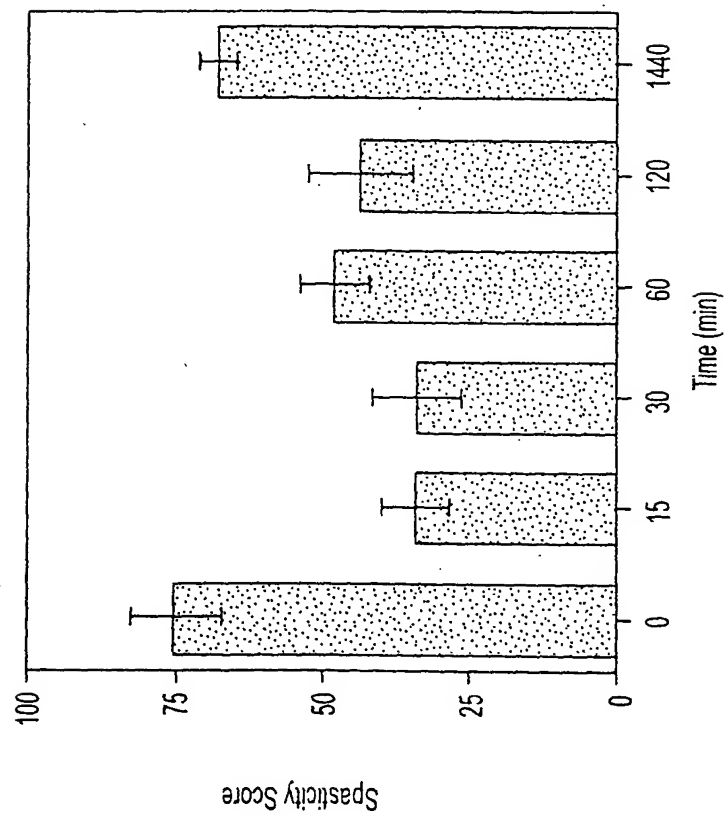
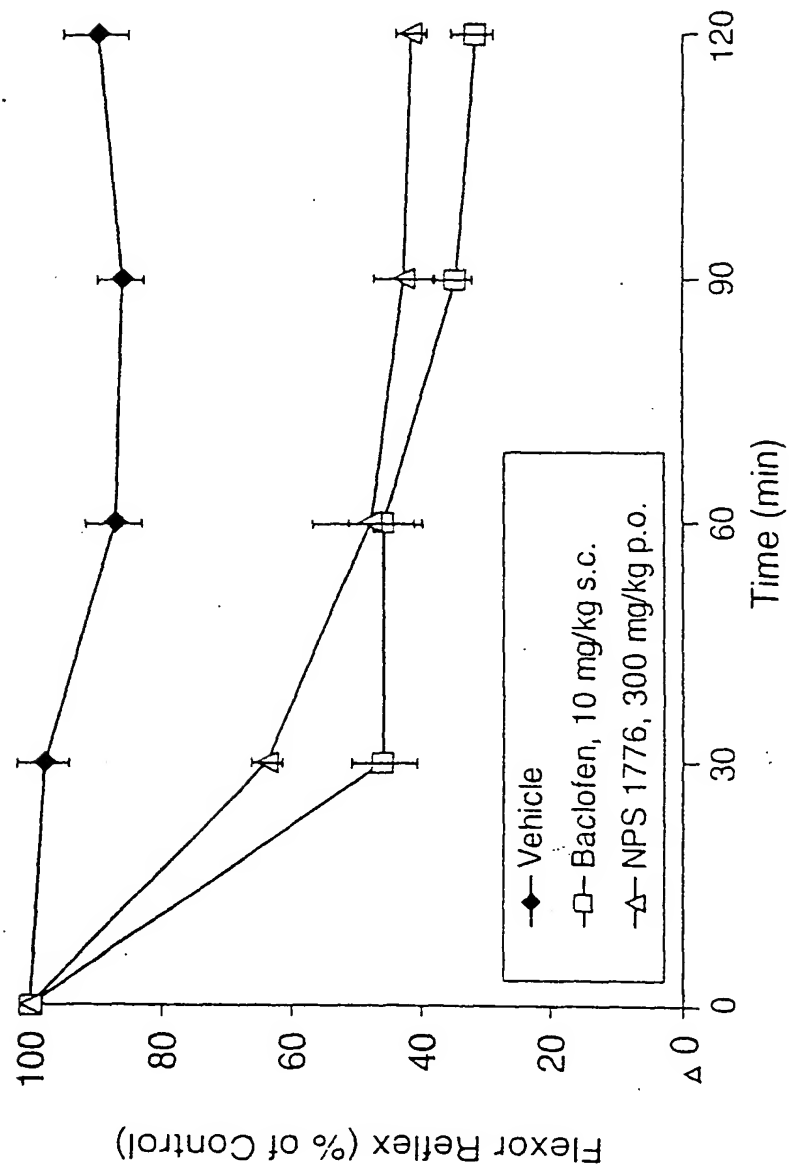


FIG. 2

Title: TREATING A VARIETY OF PATHOLOGICAL CONDITIONS,
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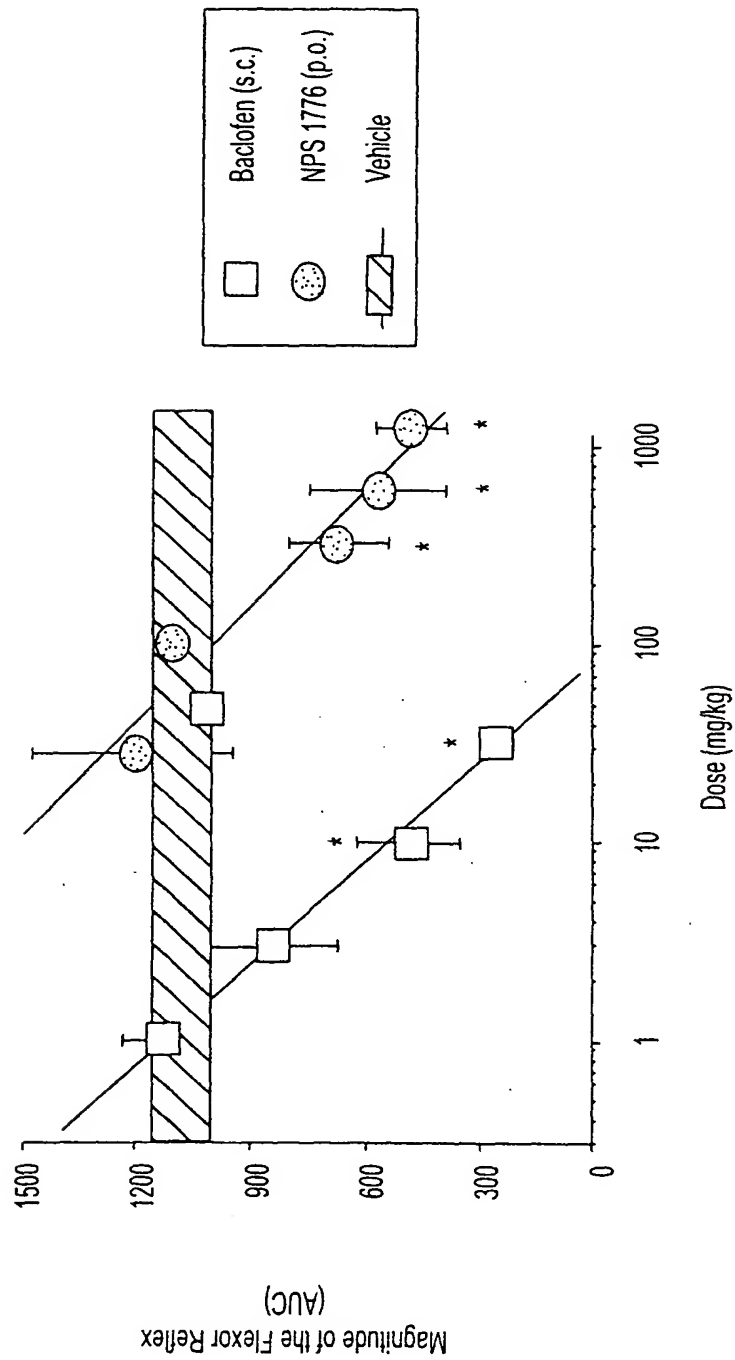
Isovaleramide and Baclofen Reduce the Flexor Reflex in Chronic Spinalized Rats

FIG. 3

Title: TREATING A VARIETY OF PATHOLOGICAL CONDITIONS,
INCLUDING SPASTICITY AND CONVULSIONS, BY EFFECTING
A MODULATION OF CNS ACTIVITY WITH ISOVALERAMIDE,
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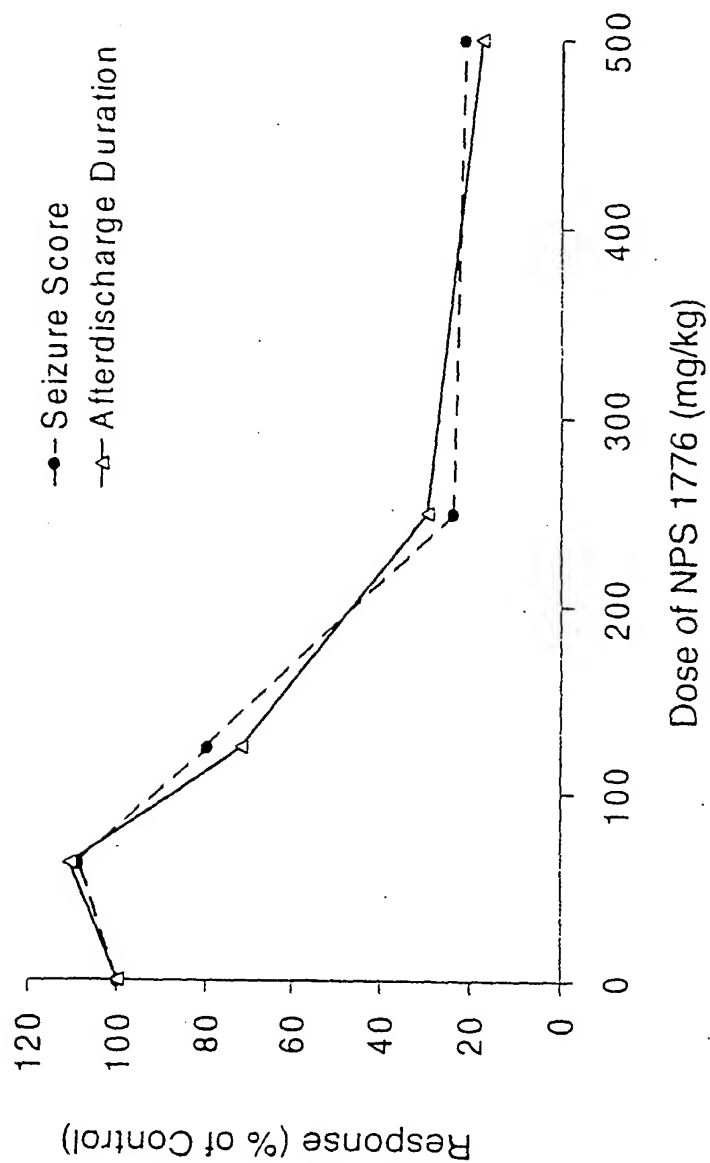
Isovaleramide and Baclofen Significantly Reduce the Flexor Reflex in a Dose-Dependent Manner in Chronic Spinalized Rats

FIG. 4

Title: TREATING A VARIETY OF PATHOLOGICAL CONDITIONS,
INCLUDING SPASTICITY AND CONVULSIONS, BY EFFECTING
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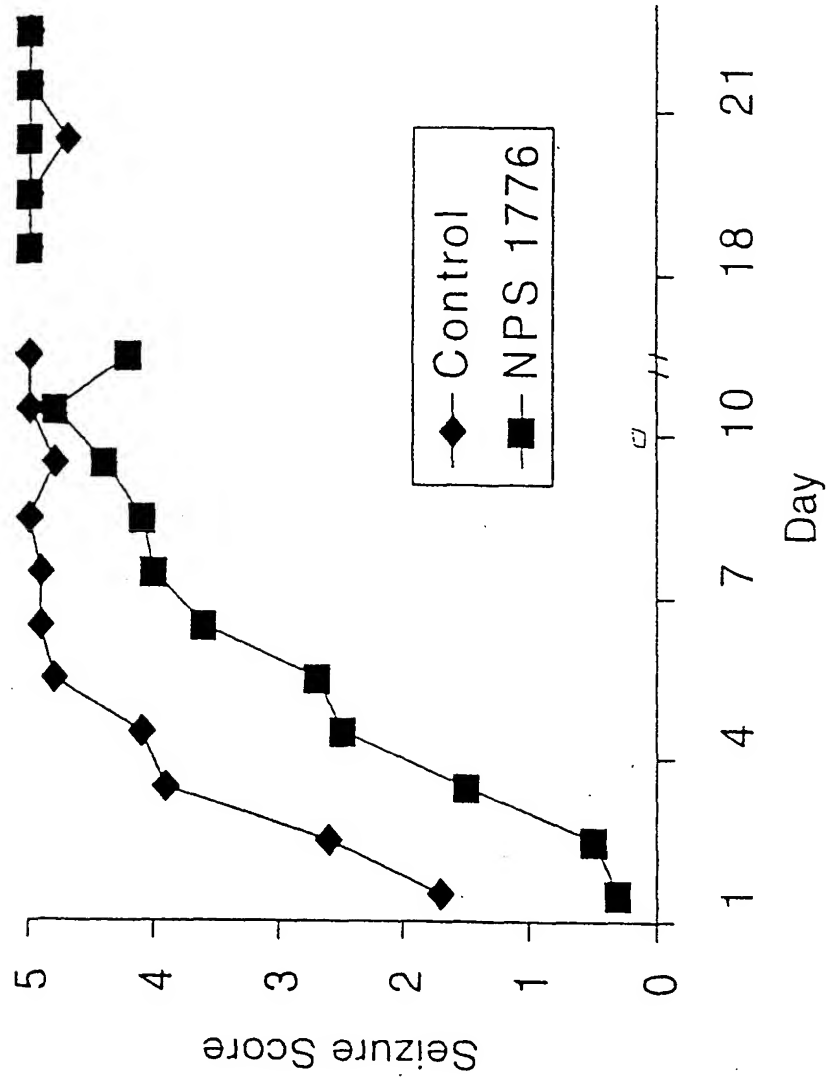


Effect of Isovaleramide on Seizure Score and Afterdischarge Duration in Amygdala-Kindled Rats

FIG. 5

Title: TREATING A VARIETY OF PATHOLOGICAL CONDITIONS,
INCLUDING SPASTICITY AND CONVULSIONS, BY EFFECTING
A MODULATION OF CNS ACTIVITY WITH ISOVALERAMIDE,
ISOVALERIC ACID, OR A RELATED COMPOUND

Inventors: Linda D. Artman et al.
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Daily Administration (500mg/kg p.o.) NPS 1776 Delays the Development of Kindling Compared to Controls
in a Model of Seizure Acquisition in the Amygdala-Kindled Rat

FIG. 6